

Report to PS&NS

Purchase of Three Quint Fire Trucks

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Engines vs. Trucks

A fire **truck** is not a fire **engine**



Fire Engine (fights fires/has water)



Fire Truck (large tool box/no water)



Quint Fire Trucks = A Combination (smaller tool box/fights fires/has water)



History of Quints in SDFD

- ▶ In San Diego, old quint designs didn't work well due to size, weight, loss of storage space, complicated design.



Why Quints Now?

▶ Brownout Impacts

- 8 Fire Trucks (no water) running many of the incidents that browned out engines (with water) used to run
- Lack of water limits firefighting capabilities

▶ Benefit of Quints

- Allows Fire Trucks arriving first on scene to provide limited firefighting capability until more help arrives



What Are We Buying?

- ▶ 3 Pierce Arrow XT 105' Service Aerial Ladders, with “Initial Attack Capability”
 - Very similar to our 10 other Pierce trucks, with addition of
 - 500 gallons per min. fire pump (Fire Engine is 1500 GPM)
 - 500 gallons of water (Fire Engine is 500 gallons)
 - (2) fire attack hose lines (Fire Engine has 3)



Similar in appearance to our 2007 Pierce Aerial Ladder pictured here. These four were the last Fire Trucks purchased by the City of San Diego.



Fire Trucks Being Replaced

- ▶ These 3 new trucks budgetarily replace
 - F01962, 1980 Seagrave 100', retired 2008 (mechanical);
 - F01520, 1992 Pierce 75' Snorkel, retired 2010 (mechanical);
 - F01521, 1992 LTI 90' tiller, retired 2010 (mechanical, use);



Replacement Methodology

- ▶ Service life
- ▶ Service History
- ▶ Operational Needs



Pricing

- ▶ Houston-Galveston Area Council (HGAC) pricing agreement negotiated September 27, 2010
- ▶ Each truck per unit cost with options = \$881,156.89.
- ▶ Total cost including fees for three vehicles is estimated at \$2,645,471.
- ▶ Funding = Fleet Services Division Vehicle Replacement Fund.



